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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/680,937	10/07/2003	Thomas B. Stanford JR.	B-4588NP 620930-1	6021
Richard P. Berg	7590 07/15/200 s, Esq.	EXAMINER		
c/o LADAS & I		MARTIN, PAUL C		
Suite 2100 5670 Wilshire Boulevard			ART UNIT	PAPER NUMBER
Los Angeles, C.	A 90036-5679	1657		
			MAIL DATE	DELIVERY MODE
			07/15/2008	PAPER

# Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Applicatio	n No.	Applicant(s)				
Office Action Occurrence	10/680,93	7	STANFORD ET AL.				
Office Action Summary	Examiner		Art Unit				
	PAUL C. M	ARTIN	1657				
The MAILING DATE of this commun Period for Reply	ication appears on the	cover sheet with the c	orrespondence ad	idress			
A SHORTENED STATUTORY PERIOD F WHICHEVER IS LONGER, FROM THE IV  - Extensions of time may be available under the provision: after SIX (6) MONTHS from the mailing date of this com  - If NO period for reply is specified above, the maximum s  - Failure to reply within the set or extended period for reply Any reply received by the Office later than three months earned patent term adjustment. See 37 CFR 1.704(b).	MAILING DATE OF THE s of 37 CFR 1.136(a). In no even munication. tatutory period will apply and will of will, by statute, cause the applie	S COMMUNICATION  nt, however, may a reply be time  expire SIX (6) MONTHS from the cation to become ABANDONEI	I. lely filed the mailing date of this of (35 U.S.C. § 133).	•			
Status							
1)⊠ Responsive to communication(s) file	ed on <i>05 May 2008</i>						
	2b)⊠ This action is no	n-final					
′ <u>=</u>	/ <b>—</b>		secution as to the	e merits is			
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
ologga in aggerating with the pract	oo anaon Ex parto Que	1970, 1000 0.0. 11, 10	0.0.210.				
Disposition of Claims							
4)⊠ Claim(s) <u>14,16,17,19-27 and 29-32</u>	is/are pending in the a	pplication.					
4a) Of the above claim(s) is/a	re withdrawn from con	sideration.					
5) Claim(s) is/are allowed.							
·	6)⊠ Claim(s) <u>14,16,17,19-27 and 29-32</u> is/are rejected.						
7) Claim(s) is/are objected to.	•						
8) Claim(s) are subject to restri	ction and/or election re	auirement.					
		4					
Application Papers							
9)☐ The specification is objected to by the							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)☐ The oath or declaration is objected t	o by the Examiner. Not	e the attached Office	Action or form P	TO-152.			
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim  a) All b) Some * c) None of:  1. Certified copies of the priority  2. Certified copies of the priority  3. Copies of the certified copies  application from the Internation  * See the attached detailed Office action	documents have beer documents have beer of the priority docume onal Bureau (PCT Rule	n received. n received in Application nts have been receive e 17.2(a)).	on No ed in this National	Stage			
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (I)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date	PTO-948)	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te				

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## **DETAILED ACTION**

Please note that the e-signature of Nicole Chang in the remarks is not proper format. The registration number should not be within the slash marks.

Claims 14, 16, 17, 19-27 and 29-32 are pending in this application and were examined on their merits.

The rejection of Claims 14, 16, 17, 19-27 and 29-32 under 35 U.S.C. § 103(a) as being unpatentable over Keyes (US 4,169,765) in view of Yamagishi *et al.* (US 6,730,212 B1) has been withdrawn due to the Applicant's remarks and the amendments filed 01/14/08.

### Response to Arguments

Applicant's arguments, see Remarks, filed 5/5/08, with respect to the rejection(s) of claim(s) 14, 16, 17, 19-27 and 29-32 under 35 U.S.C. § 103(a) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn.

However, upon further consideration, a new ground(s) of rejection is made below.

### Claim Objections

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Claims 20 and 21 are newly objected to because of the following informalities:

Claim 20 is dependent upon cancelled claim 18. Appropriate correction is required.

Claim 21 is objected to as being dependent upon objected Claim 20.

#### Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 14, 16, 17, 19-27 and 29-32 are newly rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Amended Claim 14 is now drawn to a method of assaying a plurality of enzymes expressed by an organism with a sensor, the sensor comprising a substrate; more than one pair of electrodes; a sol-gel matrix comprising more than one sol-gel enzyme wherein each of the more than one sol-gel enzymes is associated with at least one of the more than one pair of electrodes and wherein an organism with at least one of the more than one pair of electrodes; wherein (a) an organism expresses at least one organism-enzyme on the surface of the sensor; (b) the at least one organism-enzyme causes a reaction with the

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at least one reactant of the sensor; the product according to process step (b) reacts further with said more than one sol-gel enzyme of the sensor; (d) the products of process step (c) modulate at least one property of the transducer material; (e) and the modulated property is measured.

The instant sensor only comprises at least <u>one</u> substrate (reactant), therefore either the sensor will therefore only be able to recognize <u>one</u> organism-enzyme capable of reacting with the substrate (reactant) and rendering the assaying a plurality of different enzymes expressed by an organism impossible, or alternatively the plurality of different enzymes expressed by the organism are <u>all</u> able to react with the at least one substrate (reactant) rendering it impossible to distinguish any enzyme signal from any other. Further, in the case of the latter example, even if one were to have a sensor comprising multiple different substrates (reactants) it would be impossible to measure a reaction catalyzed by multiple enzymes on multiple substrates all occurring on more than one pair of electrodes as all of the signals would be arriving simultaneously and be indistinguishable. Claims 16, 17, 19-27 and 29-32 are rejected as being dependent upon rejected Claim 14.

No Claims are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PAUL C. MARTIN whose telephone number is (571)272-3348. The examiner can normally be reached on M-F 8am-4:30pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Jon Weber can be reached on 571-272-0925. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

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USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Paul Martin Examiner

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07/09/08

/JON P WEBER/

Supervisory Patent Examiner, Art Unit 1657